

# NORTH CAROLINA

## Science and Engineering Profile

	N. Carolina	U.S.	Rank		N. Carolina	U.S.	Rank
Doctoral scientists, 1993	12,189	430,332	12	Total R&D performance, 1993 (millions)	\$2,745	\$161,427	18
Doctoral engineers, 1993	1,388	81,293	16	Industry R&D, 1993 (millions)	\$1,929	\$117,622	17
S&E doctorates awarded, 1993	675	25,409	10	Academic R&D, 1993 (millions)	\$605	\$19,489	9
of which, in life sciences	35%	24%		of which, in life sciences	72%	55%	
in engineering	21%	22%		in engineering	9%	16%	
in physical sciences	14%	15%		in physical sciences	5%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	1,285	34,394	6	expenditures, 1993 (millions)	\$5,012	\$163,994	9
S&E graduate students, 1993				Number of SBIR awards, 1990-93	155	13,995	22
in doctorate-granting institutions	9,218	438,128	15	Patents issued to state residents, 1994	1,015	56,039	17
Population, 1994 (000s)	7,070	260,341	10	Gross state product, 1992 (billions)	\$159.6	\$5,994.1	11
Civilian labor force, 1994 (000s)	3,609	131,013	10	of which, agriculture	2%	2%	
Personal income per capita, 1994	\$19,669	\$21,809	34	manufacturing, mining, construction	34%	23%	
Federal spending				transportation, communication, utilities	8%	9%	
Total expenditures 1994 (millions)	\$28,858	\$1,284,896	15	wholesale and retail trade	15%	16%	
R&D obligations 1993 (millions)	\$719	\$65,394	20	finance, insurance, real estate	14%	18%	
				services	14%	20%	
				government	13%	12%	

Rankings and totals are based on data for the 50 States and D.C.

## Federal Obligations for Research and Development in North Carolina by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	719,115	174,294	0	95,261	395,051	37,212	17,297	20
<b>Department of Agriculture</b>	32,471	17,261	0	219	14,921	70	0	12
<b>Department of Commerce</b>	9,508	5,540	0	1,225	2,701	42	0	14
<b>Department of Defense</b>	112,887	41,155	0	39,777	27,796	4,159	0	29
<b>Department of Energy</b>	12,983	764	0	1,614	9,356	1,249	0	31
<b>Dept. of Health &amp; Human Services</b>	402,825	70,224	0	12,991	286,705	29,792	3,113	6
<b>Department of the Interior</b>	5,156	4,404	0	0	731	0	21	37
<b>Department of Transportation</b>	4,940	0	0	0	1,575	0	3,365	25
<b>Environmental Protection Agency</b>	92,765	34,672	0	36,246	11,049	0	10,798	1
<b>Nat'l Aeronautics &amp; Space Admin.</b>	9,293	24	0	1,474	6,188	1,607	0	27
<b>National Science Foundation</b>	36,287	250	0	1,715	34,029	293	0	17
<b>State rank</b>	20	15	na	26	7	16	3	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.